

Appln No. 10/760,232  
Amdt. Dated July 18, 2006  
Response to Office Action of May 5, 2005

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### **REMARKS/ARGUMENTS**

In response to the Examiner's further Office Action of May 5, 2006 the Applicant respectfully submits the accompanying Amendment to the claims and the below Remarks.

#### ***Regarding Amendment***

In the Amendment:

independent claim 1 is amended to clarify that the at least two controllers are configured to process print data and control at least one of the printhead integrated circuits to print the processed print data. Support for this amendment can be found at page 15, lines 20-31 and page 26, lines 31-39 of the present specification; and

dependent claims 2-8 are unchanged.

It is respectfully submitted that the above amendments do not add new matter to the present application.

#### ***Regarding 35 USC 102(b) Rejections***

It is respectfully submitted that the subject matter of amended independent claim 1, and claims 2-8 dependent therefrom, is not disclosed by previously cited Silverbrook (US 6,439,908), for at least the following reasons.

Independent claim 1 has been amended as discussed above to clarify that the printhead assembly of the present invention has controllers which process the print data to be printed by the printhead integrated circuits, not electronics which merely route data to the printhead integrated circuits, as is the case with the TAB films 22, the flexible PCB 54 and the busbars 58 and 60 disclosed by Silverbrook.

That is, as clearly disclosed at col. 3, lines 57-65, col. 4, lines 6-18, col. 6, lines 43-45, col. 7, lines 16-17 of Silverbrook, the "TAB film 22 includes gold plated contact pads 48 that connect with a flexible printed circuit board (PCB) 54 (FIG. 13) of the assembly 10 and busbar contacts 56 (FIG. 14) of busbars 58 and 60 of the assembly 10 to get data and power respectively to the chip 18", the "flexible PCB 54 is a single sided component that supplies the TAB films 22 of each printhead module 12 with data connections through contact pads", "the flex PCB 54 terminates in the data connector 66" and "power and data connections are made to the flexible PCB 54" (emphasis added).

Thus, it is clear to one of ordinary skill in the art from the disclosure of Silverbrook that the busbars 58 and 60 and PCB 54 are merely data and power connections for the printhead modules, similar to the flex PCB 80 of the present invention which connects power and data to the PCBs 52 of each printhead integrated circuit 51 (see page 7, line 36- page 8, line 6 of the present specification), and not a controller which processes print data and routes this processed print data to printhead integrated circuits as required by amended independent claim 1.

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Thus, the subject matter of amended independent claim 1, and claims 2-8 dependent therefrom, is neither disclose nor suggested by Silverbrook.

It is respectfully submitted that all of the Examiner's rejections have been traversed. Accordingly, it is submitted that the present application is in condition for allowance and reconsideration of the present application is respectfully requested.

Very respectfully,

Applicants:



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